

SECTION 5, PART B

(Tank 208 - NWTC)

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	25
R-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE

HOURS/DAY	24
DAYS/WEEK	7
WEEKS/YEAR	52

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	N/A	
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATASTACK DATA

ENCLOSED? (Y/N)	N/A
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	
BUILDING LENGTH (FT)	
BUILDING WIDTH (FT)	

GROUND ELEVATION (FT)	N/A
UTM X COORDINATE (KM)	
UTM Y COORDINATE (KM)	
STACK TYPE (SEE NOTE BELOW)	
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	
STACK EXIT DIAMETER (FT)	
STACK EXIT GAS FLOWRATE (ACFM)	
STACK EXIT TEMPERATURE (DEG. F)	

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION* FACTOR (SEE NOTE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS		REFERENCE
					(LBS/HR)	(TONS/YR)	
SO ₂							
CO							
NO _x							
VOC				3.2E+00			
LEAD							
2,2,4 TMP	540-84-1			1.0E-02			
BENZENE	71-43-2			1.3E-02			
BIPHENYL	92-52-4			0.0E+00			
CRESOLS	1319-77-3			0.0E+00			
CUMENE	98-82-8			9.9E-05			
ETHYLBENZENE	100-41-4			1.0E-03			
N-HEXANE	110-54-3			2.2E-02			
MTBE	1634-04-4			0.0E+00			
NAPHTHALENE	91-20-3			8.1E-05			
PHENOL	108-95-2			0.0E+00			
STYRENE	100-42-5			6.5E-05			
TOLUENE	108-88-3			1.6E-02			
XYLENES	1330-20-7			4.8E-03			

NOTES: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR - IN LBS/UNIT. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

* SEE THE EMISSION SOURCES SECTION OF THIS APPLICATION

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE	<input type="text"/>	DEQ PROCESS CODE	<input type="text"/>	DEQ STACK ID CODE	<input type="text"/>
DEQ BUILDING ID CODE	<input type="text"/>	PRIMARY SCC	<input type="text"/>	SECONDARY SCC	<input type="text"/>
DEQ SEGMENT CODE	<input type="text"/>				

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	<input type="text" value="Storage of petroleum products"/>
STACK DESCRIPTION	<input type="text" value="N/A"/>
BUILDING DESCRIPTION	<input type="text" value="Tank 209 (NWTC)"/>
DATE INSTALLED OR LAST MODIFIED	<input type="text" value="1956"/>

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION	<input type="text" value="Gasoline"/>		
TANK CAPACITY (GALLONS)	<input type="text" value="924,000"/>	ANNUAL THROUGHPUT (GALLONS)	<input type="text" value="69,407,016"/>
TANK TYPE	<input type="text" value="02"/>	SOURCE	<input type="text" value="01"/>
PLEASE CHOOSE FROM BELOW		PLEASE CHOOSE FROM BELOW	
(01) FIXED ROOF;		(01) PIPELINE;	
(02) FLOATING ROOF (OR INTERNAL COVER);		(02) RAIL CAR;	
(03) VARIABLE VAPOR SPACE;		(03) TANK TRUCK;	
(04) PRESSURE TANK;		(04) SHIP BARGE;	
(05) UNDERGROUND - SPLASH LOADING		(05) OTHER <input type="text"/>	
(06) OTHER <input type="text"/>			

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT	<input type="text"/>	TANK SURFACE AREA (SQ. FT)	<input type="text"/>
TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F)	<input type="text"/>	METHOD OF VAPOR RECOVERY	<input type="text"/>
		Please choose from below	
		(01) Incineration;	
		(02) Refrigerated Liquid Scrubber;	
		(03) Refrigerated Condenser;	
		(04) Carbon Adsorption;	
		(05) Vapor Return System;	
		(06) No Recovery System;	
		(07) Other <input type="text"/>	

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE (SEE NOTE BELOW)	<input type="text" value="L"/>	NUMBER OF COMPRESSOR	<input type="text" value="**"/>	NUMBER OF IN-LINE VALVES	<input type="text" value="**"/>
NUMBER OF SAFETY RELIEF VALVES	<input type="text" value="**"/>	SEALS	<input type="text" value="**"/>	NUMBER OF SAMPLING CONNECTIONS	<input type="text" value="**"/>
		NUMBER OF OPEN-ENDED LINES	<input type="text" value="**"/>		

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
<input type="text" value="2,2,4 TMP"/>	<input type="text" value="540-84-1"/>	<input type="text" value="0.00E+00"/>
<input type="text" value="Benzene"/>	<input type="text" value="71-43-2"/>	<input type="text" value="1.29E-02"/>
<input type="text" value="Biphenyl"/>	<input type="text" value="92-52-4"/>	<input type="text" value="0.00E+00"/>
<input type="text" value="Cresols"/>	<input type="text" value="1319-77-3"/>	<input type="text" value="1.50E-03"/>
<input type="text" value="Cumene"/>	<input type="text" value="98-82-8"/>	<input type="text" value="9.26E-03"/>
<input type="text" value="Ethylbenzene"/>	<input type="text" value="100-41-4"/>	<input type="text" value="1.34E-02"/>
<input type="text" value="Hexane"/>	<input type="text" value="110-54-3"/>	<input type="text" value="7.80E-04"/>
<input type="text" value="MTBE"/>	<input type="text" value="1634-04-4"/>	<input type="text" value="0.00E+00"/>
<input type="text" value="Napthalene"/>	<input type="text" value="91-20-3"/>	<input type="text" value="1.97E-02"/>
<input type="text" value="Phenol"/>	<input type="text" value="108-95-2"/>	<input type="text" value="5.25E-02"/>
<input type="text" value="Styrene"/>	<input type="text" value="100-42-5"/>	<input type="text" value="4.91E-02"/>
<input type="text" value="Toluene"/>	<input type="text" value="108-88-3"/>	<input type="text" value="0.00E+00"/>
<input type="text" value="Xylenes"/>	<input type="text" value="1330-20-7"/>	<input type="text" value="0.00E+00"/>

NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LIGHT; H) HEAVY LIGHT

SECTION 5, PART B

(Tank 209 - NWTC)

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE

HOURS/DAY	24
DAYS/WEEK	7
WEEKS/YEAR	52

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	N/A	
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED? (Y/N)	N/A
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	
BUILDING LENGTH (FT)	
BUILDING WIDTH (FT)	

STACK DATA

GROUND ELEVATION (FT)	N/A
UTM X COORDINATE (KM)	
UTM Y COORDINATE (KM)	
STACK TYPE (SEE NOTE BELOW)	
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	
STACK EXIT DIAMETER (FT)	
STACK EXIT GAS FLOWRATE (ACFM)	
STACK EXIT TEMPERATURE (DEG. F)	

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION* FACTOR (SEE NOTE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS		REFERENCE
					(LBS/HR)	(TONS/YR)	
PM							
PM-10							
SO ₂							
CO							
NO _x							
VOC				3.2E+00			
LEAD							
2,2,4 TMP	540-84-1			1.0E-02			
BENZENE	71-43-2			1.3E-02			
BIPHENYL	92-52-4			0.0E+00			
CRESOLS	1319-77-3			0.0E+00			
CUMENE	98-82-8			9.9E-05			
ETHYLBENZENE	100-41-4			1.0E-03			
N-HEXANE	110-54-3			2.2E-02			
MTBE	1634-04-4			0.0E+00			
NAPHTHALENE	91-20-3			8.1E-05			
PHENOL	108-95-2			0.0E+00			
STYRENE	100-42-5			6.5E-05			
TOLUENE	108-88-3			1.6E-02			
XYLENES	1330-20-7			4.8E-03			

NOTES: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR - IN LBS/UNIT. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.
* SEE THE EMISSION SOURCES SECTION OF THIS APPLICATION

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE	<input type="text"/>	DEQ PROCESS CODE	<input type="text"/>	DEQ STACK ID CODE	<input type="text"/>
DEQ BUILDING ID CODE	<input type="text"/>	PRIMARY SCC	<input type="text"/>	SECONDARY SCC	<input type="text"/>
DEQ SEGMENT CODE	<input type="text"/>				

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	<input type="text" value="Storage of petroleum products"/>
STACK DESCRIPTION	<input type="text" value="N/A"/>
BUILDING DESCRIPTION	<input type="text" value="Tank A201 (NWTC)"/>
DATE INSTALLED OR LAST MODIFIED	<input type="text" value="1994"/>

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION	<input type="text" value="Fuel Additive"/>		
TANK CAPACITY (GALLONS)	<input type="text" value="14,700"/>	ANNUAL THROUGHPUT (GALLONS)	<input type="text" value="126,000"/>
TANK TYPE	<input type="text" value="01"/>	SOURCE	<input type="text" value="03"/>
PLEASE CHOOSE FROM BELOW		PLEASE CHOOSE FROM BELOW	
(01) FIXED ROOF;		(01) PIPELINE;	
(02) FLOATING ROOF (OR INTERNAL COVER);		(02) RAIL CAR;	
(03) VARIABLE VAPOR SPACE;		(03) TANK TRUCK;	
(04) PRESSURE TANK;		(04) SHIP BARGE;	
(05) UNDERGROUND - SPLASH LOADING		(05) OTHER	
(06) OTHER <input type="text"/>		<input type="text"/>	

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT	<input type="text"/>	TANK SURFACE AREA (SQ. FT)	<input type="text"/>
TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F)	<input type="text"/>	METHOD OF VAPOR RECOVERY	<input type="text"/>
		Please choose from below	
		(01) Incineration;	
		(02) Refrigerated Liquid Scrubber;	
		(03) Refrigerated Condenser;	
		(04) Carbon Adsorption;	
		(05) Vapor Return System;	
		(06) No Recovery System;	
		(07) Other	<input type="text"/>

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE (SEE NOTE BELOW)	<input type="text" value="H"/>	NUMBER OF PUMP SEALS	<input type="text" value="**"/>	NUMBER OF COMPRESSOR SEALS	<input type="text" value="**"/>	NUMBER OF IN-LINE VALVES	<input type="text" value="**"/>
NUMBER OF SAFETY RELIEF VALVES	<input type="text" value="**"/>	NUMBER OF FLANGES	<input type="text" value="**"/>	NUMBER OF OPEN-ENDED LINES	<input type="text" value="**"/>	NUMBER OF SAMPLING CONNECTIONS	<input type="text" value="**"/>

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
<input type="text" value="Cumene"/>	<input type="text" value="98-82-8"/>	<input type="text" value="2.00E-02"/>
<input type="text" value="Xylene"/>	<input type="text" value="1330-20-7"/>	<input type="text" value="5.00E-02"/>

NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LIGHT; H) HEAVY LIGHT

** Emissions for all pumps seals, flanges, connections, etc. throughout the facility are included in the emission sources section of this application under fugitive emissions.

SECTION 5, PART B

(Tank A201 - NWTC)

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE

HOURS/DAY	24
DAYS/WEEK	7
WEEKS/YEAR	52

POLLUTION CONTROL EQUIPMENT

PARAMETER

PRIMARY

SECONDARY

TYPE

N/A

TYPE CODE (FROM APP. A)

MANUFACTURER

MODEL NUMBER

PRESSURE DROP (IN. OF WATER)

WET SCRUBBER FLOW (GPM)

BAGHOUSE AIR/CLOTH RATIO (FPM)

VENTILATION AND BUILDING/AREA DATA

ENCLOSED? (Y/N)

N/A

HOOD TYPE (FROM APP. B)

MINIMUM FLOW (ACFM)

PERCENT CAPTURE EFFICIENCY

BUILDING HEIGHT (FT)

BUILDING LENGTH (FT)

BUILDING WIDTH (FT)

STACK DATA

GROUND ELEVATION (FT)

UTM X COORDINATE (KM)

UTM Y COORDINATE (KM)

STACK TYPE (SEE NOTE BELOW)

STACK EXIT HEIGHT FROM GROUND LEVEL (FT)

STACK EXIT DIAMETER (FT)

STACK EXIT GAS FLOWRATE (ACFM)

STACK EXIT TEMPERATURE (DEG. F)

AIR POLLUTANT EMISSIONS

POLLUTANT

CAS NUMBER

EMISSION*
FACTOR
(SEE NOTE
BELOW)PERCENT
CONTROL
EFFICIENCYESTIMATED OR
MEASURED
EMISSIONS
(LBS/HR)ALLOWABLE EMISSIONS
(LBS/HR) (TONS/YR)

REFERENCE

POLLUTANT	CAS NUMBER	EMISSION* FACTOR (SEE NOTE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR) (TONS/YR)	REFERENCE
PM						
PM-10						
SO2						
CO						
NOx						
VOC				1.9E-03		
LEAD						
CUMENE	98-82-8			6.6E-05		
XYLENES	1330-20-7			3.0E-04		

NOTES: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR - IN LBS/UNIT. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

* SEE THE EMISSION SOURCES SECTION OF THIS APPLICATION

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE	<input type="text"/>	DEQ PROCESS CODE	<input type="text"/>	DEQ STACK ID CODE	<input type="text"/>
DEQ BUILDING ID CODE	<input type="text"/>	PRIMARY SCC	<input type="text"/>	SECONDARY SCC	<input type="text"/>
DEQ SEGMENT CODE	<input type="text"/>				

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	<input type="text" value="Storage of petroleum products"/>
STACK DESCRIPTION	<input type="text" value="N/A"/>
BUILDING DESCRIPTION	<input type="text" value="Tank A202 (NWTC)"/>
DATE INSTALLED OR LAST MODIFIED	<input type="text" value="1994"/>

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION	<input type="text" value="Fuel Additive"/>		
TANK CAPACITY (GALLONS)	<input type="text" value="8,000"/>	ANNUAL THROUGHPUT (GALLONS)	<input type="text" value="126,000"/>
TANK TYPE	<input type="text" value="01"/>	SOURCE	<input type="text" value="03"/>
PLEASE CHOOSE FROM BELOW (01) FIXED ROOF; (02) FLOATING ROOF (OR INTERNAL COVER); (03) VARIABLE VAPOR SPACE; (04) PRESSURE TANK; (05) UNDERGROUND - SPLASH LOADING (06) OTHER		PLEASE CHOOSE FROM BELOW (01) PIPELINE; (02) RAIL CAR; (03) TANK TRUCK; (04) SHIP BARGE; (05) OTHER	<input type="text"/>

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT	<input type="text"/>	TANK SURFACE AREA (SQ. FT)	<input type="text"/>
TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F)	<input type="text"/>	METHOD OF VAPOR RECOVERY Please choose from below (01) Incineration; (02) Refrigerated Liquid Scrubber; (03) Refrigerated Condenser; (04) Carbon Adsorption; (05) Vapor Return System; (06) No Recovery System; (07) Other	<input type="text"/>

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE (SEE NOTE BELOW)	<input type="text" value="H"/>	NUMBER OF PUMP SEALS	<input type="text" value="**"/>	NUMBER OF COMPRESSOR SEALS	<input type="text" value="**"/>	NUMBER OF IN-LINE VALVES	<input type="text" value="**"/>
NUMBER OF SAFETY RELIEF VALVES	<input type="text" value="**"/>	NUMBER OF FLANGES	<input type="text" value="**"/>	NUMBER OF OPEN-ENDED LINES	<input type="text" value="**"/>	NUMBER OF SAMPLING CONNECTIONS	<input type="text" value="**"/>

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
<input type="text" value="Cumene"/>	<input type="text" value="98-82-8"/>	<input type="text" value="2.00E-02"/>
<input type="text" value="Xylene"/>	<input type="text" value="1330-20-7"/>	<input type="text" value="4.00E-02"/>

NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LIGHT; H) HEAVY LIGHT

** Emissions for all pumps seals, flanges, connections, etc. throughout the facility are included in the emission sources section of this application under fugitive emissions.

SECTION 5, PART B

(Tank A202 - NWTC)

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE

HOURS/DAY	24
DAYS/WEEK	7
WEEKS/YEAR	52

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	N/A	
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED? (Y/N)	N/A
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	
BUILDING LENGTH (FT)	
BUILDING WIDTH (FT)	

STACK DATA

GROUND ELEVATION (FT)	N/A
UTM X COORDINATE (KM)	
UTM Y COORDINATE (KM)	
STACK TYPE (SEE NOTE BELOW)	
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	
STACK EXIT DIAMETER (FT)	
STACK EXIT GAS FLOWRATE (ACFM)	
STACK EXIT TEMPERATURE (DEG. F)	

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION* FACTOR (SEE NOTE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOx							
VOC				1.6E-03			
LEAD							
CUMENE	98-82-8			5.4E-05			
XYLENES	1330-20-7			2.0E-04			

NOTES: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR - IN LBS/UNIT. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

* SEE THE EMISSION SOURCES SECTION OF THIS APPLICATION

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING ID CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	Storage of petroleum products
STACK DESCRIPTION	N/A
BUILDING DESCRIPTION	Tank A203 (NWTC)
DATE INSTALLED OR LAST MODIFIED	1994

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION	Fuel Additive
TANK CAPACITY (GALLONS)	3,000
ANNUAL THROUGHPUT (GALLONS)	126,000
TANK TYPE	01
SOURCE	03
PLEASE CHOOSE FROM BELOW	PLEASE CHOOSE FROM BELOW
(01) FIXED ROOF;	(01) PIPELINE;
(02) FLOATING ROOF (OR INTERNAL COVER);	(02) RAIL CAR;
(03) VARIABLE VAPOR SPACE;	(03) TANK TRUCK;
(04) PRESSURE TANK;	(04) SHIP BARGE;
(05) UNDERGROUND - SPLASH LOADING	(05) OTHER
(06) OTHER	

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT		TANK SURFACE AREA (SQ. FT)	
TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F)		METHOD OF VAPOR RECOVERY	
		Please choose from below	
		(01) Incineration;	
		(02) Refrigerated Liquid Scrubber;	
		(03) Refrigerated Condenser;	
		(04) Carbon Adsorption;	
		(05) Vapor Return System;	
		(06) No Recovery System;	
		(07) Other	

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE (SEE NOTE BELOW)	H	NUMBER OF PUMP SEALS	**	NUMBER OF COMPRESSOR SEALS	**	NUMBER OF IN-LINE VALVES	**
NUMBER OF SAFETY RELIEF VALVES	**	NUMBER OF FLANGES	**	NUMBER OF OPEN-ENDED LINES	**	NUMBER OF SAMPLING CONNECTIONS	**

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
Ethylbenzene	100-41-4	8.00E-02
Xylene	1330-20-7	3.80E-01

NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LIGHT; H) HEAVY LIGHT

** Emissions for all pumps seals, flanges, connections, etc. throughout the facility are included in the emission sources section of this application under fugitive emissions.

SECTION 5, PART B

(Tank A203 - NWTC)

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE

HOURS/DAY	24
DAYS/WEEK	7
WEEKS/YEAR	52

POLLUTION CONTROL EQUIPMENT

PARAMETER

TYPE

PRIMARY

N/A

SECONDARY

TYPE CODE (FROM APP. A)

MANUFACTURER

MODEL NUMBER

PRESSURE DROP (IN. OF WATER)

WET SCRUBBER FLOW (GPM)

BAGHOUSE AIR/CLOTH RATIO (FPM)

VENTILATION AND BUILDING/AREA DATA

ENCLOSED? (Y/N)

N/A

HOOD TYPE (FROM APP. B)

MINIMUM FLOW (ACFM)

PERCENT CAPTURE EFFICIENCY

BUILDING HEIGHT (FT)

BUILDING LENGTH (FT)

BUILDING WIDTH (FT)

STACK DATA

GROUND ELEVATION (FT)

N/A

UTM X COORDINATE (KM)

UTM Y COORDINATE (KM)

STACK TYPE (SEE NOTE BELOW)

STACK EXIT HEIGHT FROM GROUND LEVEL (FT)

STACK EXIT DIAMETER (FT)

STACK EXIT GAS FLOWRATE (ACFM)

STACK EXIT TEMPERATURE (DEG. F)

AIR POLLUTANT EMISSIONS

POLLUTANT

CAS NUMBER

EMISSION*
FACTOR
(SEE NOTE
BELOW)PERCENT
CONTROL
EFFICIENCYESTIMATED OR
MEASURED
EMISSIONS
(LBS/HR)

ALLOWABLE EMISSIONS

(LBS/HR)

(TONS/YR)

REFERENCE

PM							
PM-10							
SO2							
CO							
NOx							
VOC							
LEAD				1.1E-03			
ETHYLBENZENE	100-41-4			3.4E-04			
XYLENES	1330-20-7			1.3E-04			

NOTES: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR - IN LBS/UNIT. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.
* SEE THE EMISSION SOURCES SECTION OF THIS APPLICATION

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE	<input type="text"/>	DEQ PROCESS CODE	<input type="text"/>	DEQ STACK ID CODE	<input type="text"/>
DEQ BUILDING ID CODE	<input type="text"/>	PRIMARY SCC	<input type="text"/>	SECONDARY SCC	<input type="text"/>
DEQ SEGMENT CODE	<input type="text"/>				

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	<input type="text" value="Storage of petroleum products"/>
STACK DESCRIPTION	<input type="text" value="N/A"/>
BUILDING DESCRIPTION	<input type="text" value="Tank A204 (NWTC)"/>
DATE INSTALLED OR LAST MODIFIED	<input type="text" value="1994"/>

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION	<input type="text" value="Fuel Additive"/>		
TANK CAPACITY (GALLONS)	<input type="text" value="8,000"/>	ANNUAL THROUGHPUT (GALLONS)	<input type="text" value="126,000"/>
TANK TYPE	<input type="text" value="01"/>	SOURCE	<input type="text" value="03"/>
PLEASE CHOOSE FROM BELOW		PLEASE CHOOSE FROM BELOW	
(01) FIXED ROOF;		(01) PIPELINE;	
(02) FLOATING ROOF (OR INTERNAL COVER);		(02) RAIL CAR;	
(03) VARIABLE VAPOR SPACE;		(03) TANK TRUCK;	
(04) PRESSURE TANK;		(04) SHIP BARGE;	
(05) UNDERGROUND - SPLASH LOADING		(05) OTHER	
(06) OTHER <input type="text"/>		<input type="text"/>	

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT	<input type="text"/>	TANK SURFACE AREA (SQ. FT)	<input type="text"/>
TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F)	<input type="text"/>	METHOD OF VAPOR RECOVERY	<input type="text"/>
		Please choose from below	
		(01) Incineration;	
		(02) Refrigerated Liquid Scrubber;	
		(03) Refrigerated Condenser;	
		(04) Carbon Adsorption;	
		(05) Vapor Return System;	
		(06) No Recovery System;	
		(07) Other	<input type="text"/>

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE (SEE NOTE BELOW)	<input type="text" value="H"/>	NUMBER OF PUMP SEALS	<input type="text" value="**"/>	NUMBER OF COMPRESSOR SEALS	<input type="text" value="**"/>	NUMBER OF IN-LINE VALVES	<input type="text" value="**"/>
NUMBER OF SAFETY RELIEF VALVES	<input type="text" value="**"/>	NUMBER OF FLANGES	<input type="text" value="**"/>	NUMBER OF OPEN-ENDED LINES	<input type="text" value="**"/>	NUMBER OF SAMPLING CONNECTIONS	<input type="text" value="**"/>

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
<input type="text" value="Naphthalene"/>	<input type="text" value="91-20-3"/>	<input type="text" value="1.50E-02"/>

NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LIGHT; H) HEAVY LIGHT

SECTION 5, PART B

(Tank A204 - NWTC)

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE

HOURS/DAY	24
DAYS/WEEK	7
WEEKS/YEAR	52

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	N/A	
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED? (Y/N)	N/A
HOOD TYPE (FROM APP. B)	
MINIMUM FLOW (ACFM)	
PERCENT CAPTURE EFFICIENCY	
BUILDING HEIGHT (FT)	
BUILDING LENGTH (FT)	
BUILDING WIDTH (FT)	

STACK DATA

GROUND ELEVATION (FT)	N/A
UTM X COORDINATE (KM)	
UTM Y COORDINATE (KM)	
STACK TYPE (SEE NOTE BELOW)	
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	
STACK EXIT DIAMETER (FT)	
STACK EXIT GAS FLOWRATE (ACFM)	
STACK EXIT TEMPERATURE (DEG. F)	

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION* FACTOR (SEE NOTE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS		
					(LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO2							
CO							
NOx							
VOC				1.5E-03			
LEAD							
NAPHTHALENE	91-20-3			1.9E-06			

NOTES: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR - IN LBS/UNIT. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

* SEE THE EMISSION SOURCES SECTION OF THIS APPLICATION

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE	<input type="text"/>	DEQ PROCESS CODE	<input type="text"/>	DEQ STACK ID CODE	<input type="text"/>
DEQ BUILDING ID CODE	<input type="text"/>	PRIMARY SCC	<input type="text"/>	SECONDARY SCC	<input type="text"/>
DEQ SEGMENT CODE	<input type="text"/>				

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	<input type="text" value="Storage of petroleum products"/>
STACK DESCRIPTION	<input type="text" value="N/A"/>
BUILDING DESCRIPTION	<input type="text" value="Tank A205 (NWTG)"/>
DATE INSTALLED OR LAST MODIFIED	<input type="text" value="1995"/>

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION	<input type="text" value="Fuel Additive"/>		
TANK CAPACITY (GALLONS)	<input type="text" value="600"/>	ANNUAL THROUGHPUT (GALLONS)	<input type="text" value="42,000"/>
TANK TYPE	<input type="text" value="01"/>	SOURCE	<input type="text" value="03"/>
PLEASE CHOOSE FROM BELOW		PLEASE CHOOSE FROM BELOW	
(01) FIXED ROOF;		(01) PIPELINE;	
(02) FLOATING ROOF (OR INTERNAL COVER);		(02) RAIL CAR;	
(03) VARIABLE VAPOR SPACE;		(03) TANK TRUCK;	
(04) PRESSURE TANK;		(04) SHIP BARGE;	
(05) UNDERGROUND - SPLASH LOADING		(05) OTHER <input type="text"/>	
(06) OTHER <input type="text"/>			

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT	<input type="text"/>	TANK SURFACE AREA (SQ. FT)	<input type="text"/>
TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F)	<input type="text"/>	METHOD OF VAPOR RECOVERY	<input type="text"/>
		Please choose from below	
		(01) Incineration;	
		(02) Refrigerated Liquid Scrubber;	
		(03) Refrigerated Condenser;	
		(04) Carbon Adsorption;	
		(05) Vapor Return System;	
		(06) No Recovery System;	
		(07) Other <input type="text"/>	

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE (SEE NOTE BELOW)	<input type="text" value="H"/>	NUMBER OF PUMP SEALS	<input type="text" value="**"/>	NUMBER OF COMPRESSOR SEALS	<input type="text" value="**"/>	NUMBER OF IN-LINE VALVES	<input type="text" value="**"/>
NUMBER OF SAFETY RELIEF VALVES	<input type="text" value="**"/>	NUMBER OF FLANGES	<input type="text" value="**"/>	NUMBER OF OPEN-ENDED LINES	<input type="text" value="**"/>	NUMBER OF SAMPLING CONNECTIONS	<input type="text" value="**"/>

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
<input type="text" value="Ethylbenzene"/>	<input type="text" value="100-41-4"/>	<input type="text" value="1.35E-01"/>
<input type="text" value="Xylenes"/>	<input type="text" value="1330-20-7"/>	<input type="text" value="6.50E-01"/>

NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LIGHT; H) HEAVY LIGHT

SECTION 5, PART B

(Tank A205 - NWTC)

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE

HOURS/DAY	24
DAYS/WEEK	7
WEEKS/YEAR	52

POLLUTION CONTROL EQUIPMENT

PARAMETER

TYPE

PRIMARY

N/A

SECONDARY

TYPE CODE (FROM APP. A)

MANUFACTURER

MODEL NUMBER

PRESSURE DROP (IN. OF WATER)

WET SCRUBBER FLOW (GPM)

BAGHOUSE AIR/CLOTH RATIO (FPM)

VENTILATION AND BUILDING/AREA DATA

ENCLOSED? (Y/N)

N/A

HOOD TYPE (FROM APP. B)

MINIMUM FLOW (ACFM)

PERCENT CAPTURE EFFICIENCY

BUILDING HEIGHT (FT)

BUILDING LENGTH (FT)

BUILDING WIDTH (FT)

STACK DATA

GROUND ELEVATION (FT)

N/A

UTM X COORDINATE (KM)

UTM Y COORDINATE (KM)

STACK TYPE (SEE NOTE BELOW)

STACK EXIT HEIGHT FROM GROUND LEVEL (FT)

STACK EXIT DIAMETER (FT)

STACK EXIT GAS FLOWRATE (ACFM)

STACK EXIT TEMPERATURE (DEG. F)

AIR POLLUTANT EMISSIONS

POLLUTANT

CAS NUMBER

EMISSION*
FACTOR
(SEE NOTE
BELOW)PERCENT
CONTROL
EFFICIENCYESTIMATED OR
MEASURED
EMISSIONS
(LBS/HR)

ALLOWABLE EMISSIONS

(LBS/HR)

(TONS/YR)

REFERENCE

PM							
PM-10							
SO2							
CO							
NOx							
VOC				3.5E-04			
LEAD							
ETHYLBENZENE	100-41-4			1.5E-04			
XYLENES	1330-20-7			5.9E-04			

NOTES: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR - IN LBS/UNIT. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.
* SEE THE EMISSION SOURCES SECTION OF THIS APPLICATION

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE	<input type="text"/>	DEQ PROCESS CODE	<input type="text"/>	DEQ STACK ID CODE	<input type="text"/>
DEQ BUILDING ID CODE	<input type="text"/>	PRIMARY SCC	<input type="text"/>	SECONDARY SCC	<input type="text"/>
DEQ SEGMENT CODE	<input type="text"/>				

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	<input type="text" value="Storage of petroleum products"/>
STACK DESCRIPTION	<input type="text" value="N/A"/>
BUILDING DESCRIPTION	<input type="text" value="Tank A206 (NWTC)"/>
DATE INSTALLED OR LAST MODIFIED	<input type="text" value="1995"/>

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION	<input type="text" value="Fuel Additive"/>		
TANK CAPACITY (GALLONS)	<input type="text" value="3,000"/>	ANNUAL THROUGHPUT (GALLONS)	<input type="text" value="126,000"/>
TANK TYPE	<input type="text" value="01"/>	SOURCE	<input type="text" value="03"/>
PLEASE CHOOSE FROM BELOW		PLEASE CHOOSE FROM BELOW	
(01) FIXED ROOF;		(01) PIPELINE;	
(02) FLOATING ROOF (OR INTERNAL COVER);		(02) RAIL CAR;	
(03) VARIABLE VAPOR SPACE;		(03) TANK TRUCK;	
(04) PRESSURE TANK;		(04) SHIP BARGE;	
(05) UNDERGROUND - SPLASH LOADING		(05) OTHER <input type="text"/>	
(06) OTHER <input type="text"/>			

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT	<input type="text"/>	TANK SURFACE AREA (SQ. FT)	<input type="text"/>
TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F)	<input type="text"/>	METHOD OF VAPOR RECOVERY	<input type="text"/>
		Please choose from below	
		(01) Incineration;	
		(02) Refrigerated Liquid Scrubber;	
		(03) Refrigerated Condenser;	
		(04) Carbon Adsorption;	
		(05) Vapor Return System;	
		(06) No Recovery System;	
		(07) Other <input type="text"/>	

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE (SEE NOTE BELOW)	<input type="text" value="H"/>	NUMBER OF PUMP SEALS	<input type="text" value="**"/>	NUMBER OF COMPRESSOR SEALS	<input type="text" value="**"/>	NUMBER OF IN-LINE VALVES	<input type="text" value="**"/>
NUMBER OF SAFETY RELIEF VALVES	<input type="text" value="**"/>	NUMBER OF FLANGES	<input type="text" value="**"/>	NUMBER OF OPEN-ENDED LINES	<input type="text" value="**"/>	NUMBER OF SAMPLING CONNECTIONS	<input type="text" value="**"/>

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
<input type="text" value="None listed on MSDS."/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LIGHT; H) HEAVY LIGHT

** Emissions for all pumps seals, flanges, connections, etc. throughout the facility are included in the emission sources section of this application under fugitive emissions.

SECTION 5, PART B

(Tank A206 - NWTC)

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE

HOURS/DAY	24
DAYS/WEEK	7
WEEKS/YEAR	52

POLLUTION CONTROL EQUIPMENT

PARAMETER

TYPE

PRIMARY

N/A

SECONDARY

TYPE CODE (FROM APP. A)

MANUFACTURER

MODEL NUMBER

PRESSURE DROP (IN. OF WATER)

WET SCRUBBER FLOW (GPM)

BAGHOUSE AIR/CLOTH RATIO (FPM)

VENTILATION AND BUILDING/AREA DATA

ENCLOSED? (Y/N)

N/A

HOOD TYPE (FROM APP. B)

MINIMUM FLOW (ACFM)

PERCENT CAPTURE EFFICIENCY

BUILDING HEIGHT (FT)

BUILDING LENGTH (FT)

BUILDING WIDTH (FT)

STACK DATA

GROUND ELEVATION (FT)

UTM X COORDINATE (KM)

UTM Y COORDINATE (KM)

STACK TYPE (SEE NOTE BELOW)

STACK EXIT HEIGHT FROM GROUND LEVEL (FT)

STACK EXIT DIAMETER (FT)

STACK EXIT GAS FLOWRATE (ACFM)

STACK EXIT TEMPERATURE (DEG. F)

AIR POLLUTANT EMISSIONS

POLLUTANT

CAS NUMBER

EMISSION*
FACTOR
(SEE NOTE
BELOW)PERCENT
CONTROL
EFFICIENCYESTIMATED OR
MEASURED
EMISSIONS
(LBS/HR)

ALLOWABLE EMISSIONS

(LBS/HR)

(TONS/YR)

REFERENCE

PM							
PM-10							
SO2							
CO							
NOx							
VOC				1.1E-03			
LEAD							

NOTES: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR - IN LBS/UNIT. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.
* SEE THE EMISSION SOURCES SECTION OF THIS APPLICATION

SECTION 5: STORAGE AND HANDLING OF LIQUID SOLVENTS & OTHER VOLATILE COMPOUNDS

DEQ USE ONLY

DEQ PLANT ID CODE	<input type="text"/>	DEQ PROCESS CODE	<input type="text"/>	DEQ STACK ID CODE	<input type="text"/>
DEQ BUILDING ID CODE	<input type="text"/>	PRIMARY SCC	<input type="text"/>	SECONDARY SCC	<input type="text"/>
DEQ SEGMENT CODE	<input type="text"/>				

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION	<input type="text" value="Storage of petroleum products"/>
STACK DESCRIPTION	<input type="text" value="N/A"/>
BUILDING DESCRIPTION	<input type="text" value="Tank A207 (NWTC)"/>
DATE INSTALLED OR LAST MODIFIED	<input type="text" value="1996"/>

GENERAL TANK AND MATERIAL HANDLING DATA

MATERIAL DESCRIPTION	<input type="text" value="Fuel Additive"/>		
TANK CAPACITY (GALLONS)	<input type="text" value="8,000"/>	ANNUAL THROUGHPUT (GALLONS)	<input type="text" value="126,000"/>
TANK TYPE	<input type="text" value="01"/>	SOURCE	<input type="text" value="03"/>
PLEASE CHOOSE FROM BELOW		PLEASE CHOOSE FROM BELOW	
(01) FIXED ROOF;		(01) PIPELINE;	
(02) FLOATING ROOF (OR INTERNAL COVER);		(02) RAIL CAR;	
(03) VARIABLE VAPOR SPACE;		(03) TANK TRUCK;	
(04) PRESSURE TANK;		(04) SHIP BARGE;	
(05) UNDERGROUND - SPLASH LOADING		(05) OTHER	
(06) OTHER <input type="text"/>		<input type="text"/>	

ADDITIONAL VAPOR PHASE DEGREASING DATA

MANUFACTURER OF DEGREASING AGENT	<input type="text"/>	TANK SURFACE AREA (SQ. FT)	<input type="text"/>
TEMPERATURE OF DEGREASING AGENT IN TANK (DEG. F)	<input type="text"/>	METHOD OF VAPOR RECOVERY	<input type="text"/>
		Please choose from below	
		(01) Incineration;	
		(02) Refrigerated Liquid Scrubber;	
		(03) Refrigerated Condenser;	
		(04) Carbon Adsorption;	
		(05) Vapor Return System;	
		(06) No Recovery System;	
		(07) Other	<input type="text"/>

ADDITIONAL MATERIAL HANDLING DATA

PHYSICAL STATE (SEE NOTE BELOW)	<input type="text" value="H"/>	NUMBER OF PUMP SEALS	<input type="text" value="**"/>	NUMBER OF COMPRESSOR SEALS	<input type="text" value="**"/>	NUMBER OF IN-LINE VALVES	<input type="text" value="**"/>
NUMBER OF SAFETY RELIEF VALVES	<input type="text" value="**"/>	NUMBER OF FLANGES	<input type="text" value="**"/>	NUMBER OF OPEN-ENDED LINES	<input type="text" value="**"/>	NUMBER OF SAMPLING CONNECTIONS	<input type="text" value="**"/>

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT
<input type="text" value="Xylene"/>	<input type="text" value="1330-20-7"/>	<input type="text" value="1.50E-02"/>

NOTE: PHYSICAL STATE - V) VAPOR LIGHT; L) LIQUID LIGHT; H) HEAVY LIGHT

** Emissions for all pumps seals, flanges, connections, etc. throughout the facility are included in the emission sources section of this application under fugitive emissions.

SECTION 5, PART B

(Tank A207 - NWTC)

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE

HOURS/DAY	24
DAYS/WEEK	7
WEEKS/YEAR	52

POLLUTION CONTROL EQUIPMENT

PARAMETER

TYPE

PRIMARY

N/A

SECONDARY

TYPE CODE (FROM APP. A)

MANUFACTURER

MODEL NUMBER

PRESSURE DROP (IN. OF WATER)

WET SCRUBBER FLOW (GPM)

BAGHOUSE AIR/CLOTH RATIO (FPM)

VENTILATION AND BUILDING/AREA DATA

ENCLOSED? (Y/N)

N/A

HOOD TYPE (FROM APP. B)

MINIMUM FLOW (ACFM)

PERCENT CAPTURE EFFICIENCY

BUILDING HEIGHT (FT)

BUILDING LENGTH (FT)

BUILDING WIDTH (FT)

STACK DATA

GROUND ELEVATION (FT)

UTM X COORDINATE (KM)

UTM Y COORDINATE (KM)

STACK TYPE (SEE NOTE BELOW)

STACK EXIT HEIGHT FROM GROUND LEVEL (FT)

STACK EXIT DIAMETER (FT)

STACK EXIT GAS FLOWRATE (ACFM)

STACK EXIT TEMPERATURE (DEG. F)

AIR POLLUTANT EMISSIONS

POLLUTANT

CAS NUMBER

EMISSION*
FACTOR
(SEE NOTE
BELOW)PERCENT
CONTROL
EFFICIENCYESTIMATED OR
MEASURED
EMISSIONS
(LBS/HR)

ALLOWABLE EMISSIONS

(LBS/HR)

(TONS/YR)

REFERENCE

PM							
PM-10							
SO2							
CO							
NOx							
VOC							
LEAD				1.7E-03			
XYLENE	1330-20-7			7.7E-05			

NOTES: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR - IN LBS/UNIT. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.
* SEE THE EMISSION SOURCES SECTION OF THIS APPLICATION

SECTION 6: LOADING RACKS

@ NWTC

DEQ USE ONLY

DEQ PLANT ID CODE DEQ PROCESS CODE DEQ STACK ID CODE DEQ BUILDING ID CODE PRIMARY SCC SECONDARY SCC DEQ SEGMENT CODE PART A: LOADING RACK DATA

PROCESS CODE OR DESCRIPTION

Loading of refined petroleum products

STACK DESCRIPTION

(See vapor destruction unit)

BUILDING DESCRIPTION

Loading terminal - NWTC

DATE INSTALLED OR LAST MODIFIED

3/8/1994

TYPE OF LOADING

06

Please choose from the following:

- (01) Overhead loading - splash fill, normal service;
- (02) Overhead loading - splash fill, balanced service;
- (03) Overhead loading - submerged fill, normal service;
- (04) Overhead loading - submerged fill, balanced service;
- (05) Bottom loading - normal service;
- (06) Bottom loading - balanced service

LOADING ARM VAPOR CLOSURE

04

Please choose from the following:

- (01) Incineration;
- (02) GREENWOOD;
- (03) SOCO;
- (04) CHICKSAN;
- (05) None - open to air;
- (06) Other

MATERIAL LOADED

Refined petroleum

ANNUAL THROUGHPUT (GAL.)

885,008,000

REID VAPOR PRESSURE

10.0 (gasolines); NA for other fuels

MAXIMUM MATERIAL TEMPERATURE (DEG. F)

85

AVERAGE MATERIAL TEMPERATURE (DEG. F)

54.3

SECTION 6, PART B

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	25
MAR-MAY	25
JUN-AUG	25
SEP-NOV	25

OPERATING SCHEDULE

HOURS/DAY	24
DAYS/WEEK	7
WEEKS/YEAR	52

POLLUTION CONTROL EQUIPMENT

PARAMETER	PRIMARY	SECONDARY
TYPE	Vapor destruction system	N/A
TYPE CODE (FROM APP. A)	047	
MANUFACTURER	John Zink (See section 4)	
MODEL NUMBER	ZTOF	
PRESSURE DROP (IN. OF WATER)	N/A	
WET SCRUBBER FLOW (GPM)	N/A	
BAGHOUSE AIR/CLOTH RATIO (FPM)	N/A	

VENTILATION AND BUILDING/AREA DATA

ENCLOSED? (Y/N)	N
HOOD TYPE (FROM APP. B)	N/A
MINIMUM FLOW (ACFM)	N/A
PERCENT CAPTURE EFFICIENCY	N/A
BUILDING HEIGHT (FT)	N/A
BUILDING LENGTH (FT)	N/A
BUILDING WIDTH (FT)	N/A

STACK DATA

GROUND ELEVATION (FT)	N/A
UTM X COORDINATE (KM)	
UTM Y COORDINATE (KM)	
STACK TYPE (SEE NOTE BELOW)	
STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	
STACK EXIT DIAMETER (FT)	
STACK EXIT GAS FLOWRATE (ACFM)	
STACK EXIT TEMPERATURE (DEG. F)	

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR * (SEE NOTE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS (LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO ₂							
CO							
NO _x							
VOC				1.8E+00			
LEAD							
2,2,4 TMP	540-84-1			2.8E-01			
BENZENE	71-43-2			3.6E-01			
BIPHENYL	92-52-4						
CRESOLS	1319-77-3						
CUMENE	98-82-8			1.7E-03			
ETHYLBENZENE	100-41-4			2.3E-02			
N-HEXANE	110-54-3			6.1E-01			
MTBE	1634-04-4						
NAPHTHALENE	91-20-3			1.7E-04			
PHENOL	108-95-2						
STYRENE	100-42-5			1.3E-03			
TOLUENE	108-88-3			4.0E-01			
XYLENES	1330-20-7			1.1E-01			

NOTES: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR - IN LBS/UNIT. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.
* ALL EMISSIONS FROM LOADING OPERATIONS, EXCEPT FOR TRANSMIX LOADING, ARE PRESENTED IN THE WASTE INCINERATION SECTION, UNDER THERMAL OXIDIZER. TRANSMIX LOADING EMISSIONS ARE PRESENTED HERE. SEE EMISSIONS SOURCES SECTION FOR CALCULATIONS.

DEQ USE ONLY

DEQ PLANT CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING ID CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

PROCESS CODE OR DESCRIPTION		
STACK DESCRIPTION		
BUILDING DESCRIPTION		
DATE INSTALLED OR LAST MODIFIED		MATERIAL DESCIP.

MATERIAL TRANSFER RATES

MAXIMUM HOURLY TRANSFER RATE (UNITS/HOUR)	
NORMAL HOURLY TRANSFER RATE (UNITS/HOUR)	
NORMAL ANNUAL TRANSFER RATE (UNITS/YEAR)	
UNITS OF MEASURE	

BELT CONVEYOR/VEHICLE TRANSFER

NUMBER OF TRANSFERS	MATERIAL MOISTURE CONTENT (WEIGHT PERCENT)	MAXIMUM HOURLY WIND SPEED (MPH)	AVERAGE HOURLY WIND SPEED (MPH)
CONVEYORS ENCLOSED? (Y/N)	<input type="checkbox"/>	CONVEYORS IN BUILDINGS? (Y/N)	<input type="checkbox"/>
TRANSFERS ENCLOSED? (Y/N)	<input type="checkbox"/>	TRANSFERS IN BUILDINGS? (Y/N)	<input type="checkbox"/>

PNEUMATIC CONVEYOR TRANSFERS

MATERIAL MOISTURE CONTENT (WEIGHT PERCENT)		
PRIMARY SEPARATOR TYPE		PRIMARY SEPARATOR PERCENT EFFICIENCY
SECONDARY SEPARATOR TYPE		SECONDARY SEPARATOR PERCENT EFFICIENCY

MATERIAL STORAGE DATA

PILE? (Y/N)	<input type="checkbox"/>	STORAGE CAPACITY		PILE LENGTH (FT)	
SILO? (Y/N)	<input type="checkbox"/>	STORAGE CAPACITY UNITS		PILE WIDTH (FT)	
OTHER STORAGE TYPE DESCRIPTION				PILE HEIGHT (FT)	

MATERIAL DATA

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN MATERIAL BY WEIGHT

SECTION 7, PART B

N/A

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	
MAR-MAY	
JUN-AUG	
SEP-NOV	

OPERATING SCHEDULE

HOURS/DAY	
DAYS/WEEK	
WEEKS/YEAR	

POLLUTION CONTROL EQUIPMENT

PARAMETER

PRIMARY

SECONDARY

TYPE		
TYPE CODE (FROM APP. A)		
MANUFACTURER		
MODEL NUMBER		
PRESSURE DROP (IN. OF WATER)		
WET SCRUBBER FLOW (GPM)		
BAGHOUSE AIR/CLOTH RATIO (FPM)		

VENTILATION AND BUILDING/AREA DATA

ENCLOSED? (Y/N)		GROUND ELEVATION (FT)	
HOOD TYPE (FROM APP. B)		UTM X COORDINATE (KM)	
MINIMUM FLOW (ACFM)		UTM Y COORDINATE (KM)	
PERCENT CAPTURE EFFICIENCY		STACK TYPE (SEE NOTE BELOW)	
BUILDING HEIGHT (FT)		STACK EXIT HEIGHT FROM GROUND LEVEL (FT)	
BUILDING LENGTH (FT)		STACK EXIT DIAMETER (FT)	
BUILDING WIDTH (FT)		STACK EXIT GAS FLOWRATE (ACFM)	
		STACK EXIT TEMPERATURE (DEG. F)	

AIR POLLUTANT EMISSIONS

POLLUTANT	CAS NUMBER	EMISSION FACTOR (SEE NOTE BELOW)	PERCENT CONTROL EFFICIENCY	ESTIMATED OR MEASURED EMISSIONS (LBS/HR)	ALLOWABLE EMISSIONS		
					(LBS/HR)	(TONS/YR)	REFERENCE
PM							
PM-10							
SO ₂							
CO							
NO _x							
VOC							
LEAD							

NOTES: STACK TYPE - 01) DOWNWARD; 02) VERTICAL (UNCOVERED); 03) VERTICAL (COVERED); 04) HORIZONTAL; 05) FUGITIVE
EMISSION FACTOR - IN LBS/UNITS. PLEASE USE SAME HOURLY UNITS GIVEN IN FUEL DATA SECTION.

SECTION 8: FUGITIVE ROAD DUST SOURCES

DEQ USE ONLY

DEQ PLANT ID CODE	<input type="text"/>	DEQ PROCESS CODE	<input type="text"/>	DEQ STACK ID CODE	<input type="text"/>
DEQ BUILDING ID CODE	<input type="text"/>	PRIMARY SCC	<input type="text"/>	SECONDARY SCC	<input type="text"/>
DEQ SEGMENT CODE	<input type="text"/>				

PART A: GENERAL INFORMATION

ROAD DESCRIPTION	<input type="text" value="Paved portion of lot"/>		PAVED (Y/N)	<input type="text" value="Y"/>
LENGTH (FT) X WIDTH (FT)	<input type="text" value="200 x 20"/>	PORION 1	BEGINNING COORDINATES U1M-X (KM) U1M-Y (KM)	
LENGTH (FT) X WIDTH (FT)	<input type="text" value="70 x 315"/>	PORION 2	<input type="text" value="560.3"/>	<input type="text" value="4828.2"/>
			END COORDINATES U1M-X (KM)	U1M-Y (KM)
			<input type="text" value="560.7"/>	<input type="text" value="4828.4"/>

DATA FOR ALL ROADS - PAVED AND UNPAVED

VEHICLE DESCRIPTION	NUMBER OF ROUNDRIPS PER DAY	VEHICLE MILES TRAVELED PER DAY	NUMBER OF DAYS PER YEAR USED	AVERAGE VEHICLE SPEED (MPH)	SURFACE SILT CONTENT (% WEIGHT)
<input type="text" value="Tank trucks"/>	<input type="text"/>	<input type="text" value="40"/>	<input type="text" value="365"/>	<input type="text" value="10"/>	<input type="text" value="10.0 g/m^2"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

DATA FOR ALL ROADS - PAVED AND UNPAVED

VEHICLE DESCRIPTION	VEHICLE EMPTY WEIGHT (TONS)	VEHICLE FULL WEIGHT (TONS)	NUMBER OF WHEELS PER VEHICLE	NUMBER OF DAYS >0.01 INCHES PRECIPITATION
<input type="text" value="Tank trucks"/>	<input type="text" value="15"/>	<input type="text" value="50"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

DATA: PAVED ROADS

NUMBER OF LANES	INDUSTRIAL AUGMENTATION FACTOR	DUST LOADING (LB/MILE)
<input type="text" value="N/A"/>	<input type="text"/>	<input type="text"/>

ROAD DUST CHEMICALS

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN ROAD DUST BY WEIGHT
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

SECTION 8, PART B

(Paved roads)

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	<input type="text"/>
MAR-MAY	<input type="text"/>
JUN-AUG	<input type="text"/>
SEP-NOV	<input type="text"/>

OPERATING SCHEDULE

HOURS/DAY	<input type="text" value="24"/>
DAYS/WEEK	<input type="text" value="7"/>
WEEKS/YEAR	<input type="text" value="52"/>

FUGITIVE DUST CONTROL DATA

PARAMETER

CONTROL DESCRIPTION

CONTROL CODE (APPENDIX A)

MINIMUM DAILY APPLICATIONS OF CONTROL

MAXIMUM DAILY APPLICATIONS OF CONTROL

AVERAGE ANNUAL APPLICATIONS OF CONTROL

AMOUNT APPLIED (UNITS/APPLICATION)

UNITS FOR APPLICATION AMOUNT

PRIMARY

Road paved

SECONDARY

AIR POLLUTANT EMISSIONS

POLLUTANT

CAS NUMBER

EMISSION
FACTOR *
(SEE NOTE
BELOW)PERCENT
CONTROL
EFFICIENCYESTIMATED OR
MEASURED
EMISSIONS
(LBS/HR)

ALLOWABLE EMISSIONS

(LBS/HR)

(TONS/YR)

REFERENCE

PM		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
PM-10		0.016	<input type="text"/>	<input type="text" value="3.7"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
LEAD		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

NOTE: IN LBS/UNIT. USE UNITS OF VEHICLE MILES TRAVELLED (VMT).

SECTION 8: FUGITIVE ROAD DUST SOURCES

DEQ USE ONLY

DEQ PLANT ID CODE		DEQ PROCESS CODE		DEQ STACK ID CODE	
DEQ BUILDING ID CODE		PRIMARY SCC		SECONDARY SCC	
DEQ SEGMENT CODE					

PART A: GENERAL INFORMATION

ROAD DESCRIPTION	Unpaved portion of lot		PAVED (Y/N)	N	
LENGTH (FT) X WIDTH (FT)	692	PORTION 1	BEGINNING COORDINATES U1M-X (KM)	U1M-Y (KM)	END COORDINATES U1M-X (KM)
LENGTH (FT) X WIDTH (FT)	20	PORTION 2	560.3	4828.2	560.7
					4828.4

DATA FOR ALL ROADS - PAVED AND UNPAVED

VEHICLE DESCRIPTION	NUMBER OF ROUNDTRIPS PER DAY	VEHICLE MILES TRAVELED PER DAY	NUMBER OF DAYS PER YEAR USED	AVERAGE VEHICLE SPEED (MPH)	SURFACE SILT CONTENT (% WEIGHT)
Operations and maintenance vehicles	Varies	1,000	365	15	16.75

DATA FOR ALL ROADS - PAVED AND UNPAVED

VEHICLE DESCRIPTION	VEHICLE EMPTY WEIGHT (TONS)	VEHICLE FULL WEIGHT (TONS)	0.4	NUMBER OF WHEELS PER VEHICLE	NUMBER OF DAYS >0.01 INCHES PRECIPITATION
Operations and maintenance vehicles	10	10		6	90

DATA: PAVED ROADS

NUMBER OF LANES	INDUSTRIAL AUGMENTATION FACTOR	DUST LOADING (LB/MILE)
N/A		

ROAD DUST CHEMICALS

HAP DESCRIPTION	HAP CAS NUMBER	HAP FRACTION IN ROAD DUST BY WEIGHT

SECTION 8, PART B

(Unpaved roads)

OPERATING DATA

PERCENT FUEL CONSUMPTION PER QUARTER

DEC-FEB	
MAR-MAY	
JUN-AUG	
SEP-NOV	

OPERATING SCHEDULE

HOURS/DAY	24
DAYS/WEEK	7
WEEKS/YEAR	52

FUGITIVE DUST CONTROL DATA

PARAMETER

CONTROL DESCRIPTION

CONTROL CODE (APPENDIX A)

MINIMUM DAILY APPLICATIONS OF CONTROL

MAXIMUM DAILY APPLICATIONS OF CONTROL

AVERAGE ANNUAL APPLICATIONS OF CONTROL

AMOUNT APPLIED (UNITS/APPLICATION)

UNITS FOR APPLICATION AMOUNT

PRIMARY

Reduced speed

SECONDARY

AIR POLLUTANT EMISSIONS

POLLUTANT

CAS NUMBER

EMISSION
FACTOR *
(SEE NOTE
BELOW)PERCENT
CONTROL
EFFICIENCYESTIMATED OR
MEASURED
EMISSIONS
(LBS/HR)

ALLOWABLE EMISSIONS

(LBS/HR)

(TONS/YR)

REFERENCE

PM

PM-10

LEAD

See AP-42

0.4

NOTE:

IN LBS/UNIT. USE UNITS OF VEHICLE MILES TRAVELLED (VMT).

SECTION 3

Emission Source Descriptions

Emission sources at the Boise Terminal can be attributed to Chevron Pipe Line Company, Northwest Terminalling Company, or both. This section is separated into three subsections. All emission sources associated solely with CPL are presented first, followed by all emission sources associated with NWTC. Those emission sources that are more general and could apply to either company are in the third subsection.

CPL emission sources include a vapor extraction system, ten aboveground fixed roof tanks, ten external floating roof tanks, and fugitive emissions from valves, flanges, compressor seals, etc., associated with all those sources and the pipeline.

Emission sources at NWTC include the vapor destruction system for the truck loading rack, thirteen fixed roof storage tanks of which seven are additive tanks, seven floating roof tanks, the truck loading rack, and the fugitive emissions associated with each source.

Emission sources attributed to the terminal as a whole include fugitive dust from paved and unpaved roads, repair and maintenance activities, and heat sources. Insignificant activities also are identified in this section.

Chevron Pipe Line Boise Terminal

Vapor Extraction System

In 1990, as part of a voluntary remediation project, a vapor extraction system (VES) was installed at CPL to remove hydrocarbons from under the plant site. The VES has two blowers that can deliver up to 1,000 scfm of hydrocarbon contaminated air to the intake of a vapor incinerator for flaring. Flaring is a high temperature oxidation process used to burn combustible components of waste gases. The incinerator is supplemented with natural gas and/or ambient air as needed, in order to regulate the operating temperature and achieve optimal operating efficiency.

Fixed Roof Storage Tanks

There are ten above ground fixed roof storage tanks at CPL that contain refined petroleum products and/or contaminated water. These tanks range in size from 1,000 barrels (bbls) to 65,774 bbls (one barrel equals 42 U.S. gallons) working capacity. All the tanks are vertical and contain jet fuel, diesel fuel, transmix, or contaminated water.

Floating Roof Storage Tanks

There are ten above ground floating roof storage tanks at CPL that contain refined petroleum products. These tanks range in size from 13,208 bbls to 60,986 bbls working capacity. All the tanks are vertical and contain either gasoline or diesel fuel. Tanks 164, 203, 204, 205, 206, and 207 are swing tanks and may contain gasoline, diesel, or jet fuel depending on need.

Fugitive Emissions

Fugitive emission sources at marketing terminals and pipeline facilities are generally defined as VOC emission sources not associated with a specific process, but scattered throughout the facility. These sources include storage tanks, valves of all types, flanges, pump and compressor seals, and "others". Fugitive VOC emissions are attributable to the evaporation of petroleum liquids and gases. Fugitive emissions from storage tanks are addressed in the storage tanks calculations. Other fugitive emission sources are addressed here.

Northwest Terminalling Company Boise Terminal

Truck Loading Rack

Generally, loading losses are the primary source of evaporative emissions from tank truck operations. The losses occur as organic vapors in "empty" cargo tanks are displaced to the atmosphere by the liquid being loaded into the tanks. The truck loading rack at NWTC is a bottom loading rack with a vapor containment and destruction system.

Truck Rack Vapor Destruction System

Vapors from the truck loading rack are captured via the vapor containment system and sent to the vapor destruction unit for incineration. The incinerator is supplemented with natural gas and/or ambient air as needed.

Fixed Roof Storage Tanks

There are 13 above ground fixed roof storage tanks at NWTC that contain refined petroleum products, fuel additives and/or contaminated water. These tanks range in size from 71 bbls to 17,230 bbls working capacity. Nine of the tanks are vertical and contain jet fuel, diesel fuel, transmix, or fuel additives. Four tanks are horizontal and these contain fuel additives.

Floating Roof Storage Tanks

There are seven above ground floating roof storage tanks at NWTC that contain refined petroleum products. These tanks range in size from 7,694 bbls to 22,046 bbls working capacity. All the tanks are vertical and contain various grades of gasoline, diesel, or jet fuel.

Fugitive Emissions

Fugitive emission sources at a bulk marketing terminal are generally defined as VOC emission sources not associated with a specific process, but scattered throughout the facility. These sources include storage tanks, valves, flanges, pump and compressor seals, and "others". Fugitive VOC emissions are attributable to the evaporation of petroleum liquids and gases. Fugitive emissions from storage tanks are addressed in the storage tanks calculations. Other fugitive emission sources are addressed here.

Chevron Pipe Line Company/Northwest Terminalling Company
Boise Terminal

Paved Roads

When vehicles travel on paved roads, particulate emissions occur. These particulate emissions originate from the loose materials on the surface of the roads. The quantity of dust emissions from a given segment of paved road varies linearly with the volume of traffic. Most vehicles traveling on the paved roads are tank trucks en-route to or from the loading rack.

Unpaved Roads

Dust emissions from vehicles traveling on unpaved, gravel, or dirt roads are caused when particles are lifted and dropped from rolling wheels, strong air currents in turbulent shear with the road surface, and the turbulent wake behind the vehicle. Most vehicles traveling on unpaved roads around the storage tanks are maintenance trucks.

Maintenance and Repair Activities

Uncontrollable VOC emissions from maintenance and repair activities are hard to estimate because of the variability in the frequency and types of units being repaired or maintained and the lack of information on how to estimate emissions from these sources. These activities include, but are not limited to, such operations as tank cleaning and pump repair. Emissions from these sources are estimated using a conservative approximation. We have assumed emissions from repair and maintenance activities equal an additional two percent of the total facility emissions.

Furnaces and Water Heaters

The Idaho State regulations, IDAPA 58.01.01.317.01.b.i.(18), identify space heaters and water heaters using natural gas and generating less than 5 million BTU/hr as insignificant emission sources for the purposes of the operating permit program. However, IDAPA 58.01.01.317.01 states that, if a source is subject to any applicable requirement, it cannot qualify as an insignificant emission unit or activity. Since IDAPA 58.01.01.677 is a federally enforceable state regulation that limits particulate matter emissions from minor sources of fuel burning equipment, emissions of particulate matter from heat sources must be considered significant for this Tier I operating permit application.

There are four furnaces and two small heaters at the Boise terminal supplying space heating to the various buildings on site. All the furnaces and the hot water heater run on natural gas and have a heating capacity of 125,000 BTU/hr or less.

**Chevron Pipe Line Company/Northwest Terminalling Company
Boise Terminal**

Insignificant Activities

Categorically Exempt Emission Units

The Idaho State regulations, IDAPA 58.01.01.317, identify activities that are considered insignificant for the purposes of the operating permit program. Section 317.01.a.i. lists all activities and units that are categorically exempt from the program.

Activities or units at the Boise terminal that fall under the categorical exemption are listed below.

Activity or Emission Unit	Categorical Exemption	Explanation
Storage of pressurized gases	Section 317.01.a.i.(5)	Routine storage of pressurized gases while not in use
Internal combustion engines	Section 317.01.a.i.(10)	Routine emissions from vehicles in parking lot
Barbecues	Section 317.01.a.i.(11)	Occasional use of barbecue while entertaining employees and/or customers
Brazing, soldering, welding and cutting	Section 317.01.a.i.(12)	Routine operational and maintenance activities
Plastic pipe welding	Section 317.01.a.i.(26)	Occasional need for installation or upgrade of plastic piping
Site upkeep and maintenance	Section 317.01.a.i.(28)	Routine housekeeping, janitorial activities, cleaning and preservation of equipment, painting of structures and equipment, retarring roofs, applying insulation to buildings, lawn, landscaping and grounds keeping activities
Maintenance of paved driving and parking areas	Section 317.01.a.i.(30)	Routine maintenance of paved areas
Steam cleaning	Section 317.01.a.i.(34)	Routine cleaning of parts and equipment
General vehicle maintenance	Section 317.01.a.i.(40)	Routine maintenance of company vehicles
Air cooling systems	Section 317.01.a.i.(41)	Routine cooling of indoor air
Air vents for bathroom facilities	Section 317.01.a.i.(43)	Standard venting systems
Office activities	Section 317.01.a.i.(44)	Routine office activities
Lab analysis and testing	Section 317.01.a.i.(45)	Routine fuels analysis
Fire suppression	Section 317.01.a.i.(46)	Possible use of fire suppression and other similar equipment

Activity or Emission Unit	Categorical Exemption	Explanation
RCRA waste storage areas	Section 317.01.a.i.(48)	Routine storage of RCRA regulated wastes
Metal work	Section 317.01.a.i.(49)	Routine cutting, grinding, blasting, buffing of pipe
Construction activities	Section 317.01.a.i.(53)	Occasional construction activities at the site
Lab analysis and testing	Section 317.01.a.i.(63)	Product samples are collected for product quality purposes. They are either sent to a lab or stored in a cabinet for a month. Stored samples are analyzed only if there is a problem reported with the product, otherwise, they are discharged to the oil/water separator.
Repair and Maintenance Shop activities	Section 317.01.a.i.(64)	Some repair and maintenance of equipment takes place within the facility shop
Hydro testing equipment	Section 317.01.a.i.(66)	Hydro testing of piping and tanks
Solid waste containers	Section 317.01.a.i.(69)	Routine generation of solid wastes
Safety release valves	Section 317.01.a.i.(77)	Safety release valves on terminal pipeline and facility piping are considered insignificant (however, they were counted as part of the valve fugitive emissions).
Sludge handling	Section 317.01.a.i.(100)	Sludge generated during pigging operations and tank cleanings
Pond dredging	Section 317.01.a.i.(102)	Potential exists to clean the on-site evaporation pond
Non-PCB containing electrical equipment	Section 317.01.a.i.(104)	Some transformers and other equipment contains non-PCB oil

**Chevron Pipe Line Company/Northwest Terminalling Company
Boise Terminal**

Insignificant Activities

Emission Units Exempt Based on Size or Production Rate

The Idaho State regulations, IDAPA 58.01.01.317, identify activities that are considered insignificant for the purposes of the operating permit program. Section 317.01.b.i. lists all units and activities defined as insignificant on the basis of size or production rate.

Welding activities that do not generate HAPs or HAP precursors are considered insignificant activities for the purposes of the operating permits program (IDAPA 317.01.a.i.(12)). In addition, any welding sources using less than one ton per day of welding rod are also considered insignificant (IDAPA 317.01.b.i.(9)).

The majority of welding is performed in the maintenance shop or outside. The shop is adjacent to the main building. Emissions are uncontrolled. Based on the total amount of welding rod used at the Boise terminal each year, emissions from welding activities are insignificant.

Station Type	Designation	Facility	Maximum Usage (tons/day)	Allowable Limit (tons/day)
Welding	Insignificant	CPL	0.4	1
Welding	Insignificant	NWTC	0.4	1

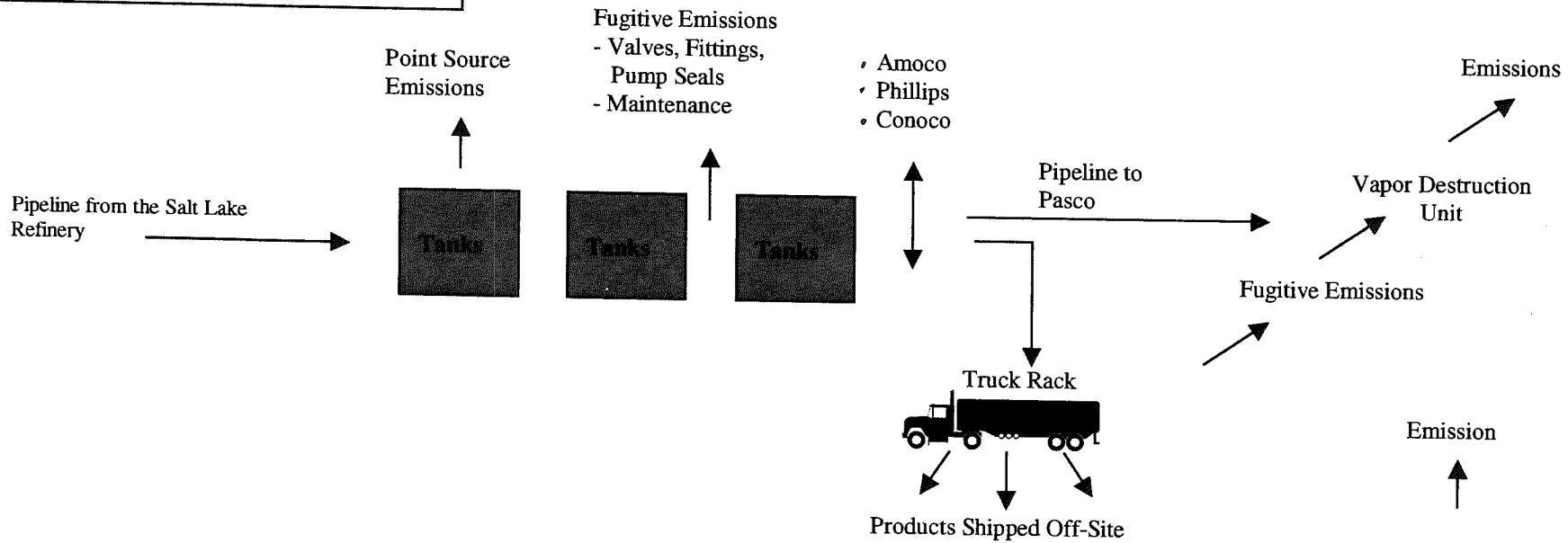
IDAPA 317.01.b.i.(18) says that space and water heaters that use natural gas, propane or kerosene and generate less than 5,000,000 Btu/hr are considered insignificant.

Station Type	Designation	Facility
Water heater	Insignificant	NWTC/CPL
Space heater	Insignificant	NWTC/CPL

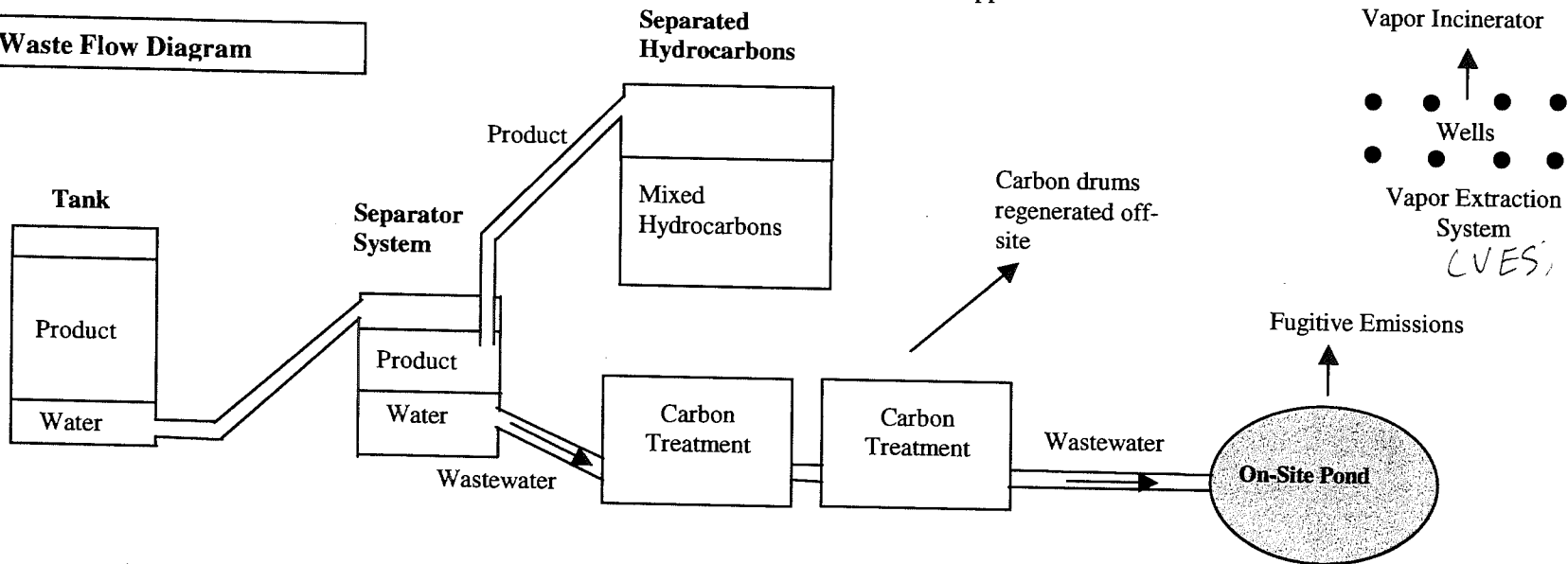
SECTION 4

Process Flow Diagram

Process and Waste Flow Diagram



Waste Flow Diagram



SECTION 5

Plot Plan